GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

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DEPARTMENT OF TRANSPORTATION

RESEARCH REPORT NO. 36
RESULTS SEAT BELT SURVEY
JUNE 13, 1986

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SUMMARY

This Annual Seat Belt Survey, Research Report No. 36 conducted on June 13, 1986, six months after the survey conducted by Transport Canada, showed a Provincial Average wearing rate of 67.5% up from 65.5% in the November 1985 Transport Canada survey. The percentage of child seats decreased to .54% from the June 1985 survey of 1.9%. A total of 2717 vehicles was surveyed which is down from the previous survey of 3893, a decrease of 30.2%.

Below is a list of the wearing percentages and the number of vehicles surveyed for each area:

Urban - Village Mall - Hotel Newfoundland - Avalon Mall - Janeway Hospital - Bay Roberts - Confederation Bldg. Exit - Clarenville - Grand Falls	64.8%	2200
Highway - Foxtrap Access - Roaches Line - Harbour Arterial	79.1%	517
St. John's	68.0%	1035
Bay Roberts	65.8%	337
Central Newfoundland	66.6%	369
Clarenville	55.3%	459

For all sites where the number of surveyed vehicles exceeded 385, the wearing percentages have no more than a 5% error with at least a 95% confidence level.

RCM Police addressed the issue of declining seat belt usage in 1985 and a survey conducted by the RCM Police indicated that during 1985, 756 written warnings and 2893 prosecutions were issued. This survey reveals that seat belt usage has increased resulting from increased enforcement.

Please take note that the survey previously conducted at Atlantic Place has been changed to the Conferation Building due to government office relocation.

SPECIFIC SURVEYS

1. Foxtrap Access to Trans Canada Highway, R. Pottle: The June 1986 survey, Table 4, indicates a decrease in seat belt use to 70.8% from the June 1985 value of 82.6%. Most highway drivers take seat belt use serious.

2. Roaches Line Access to Trans Canada Highway, E. Murray: The June 1986 survey, Table 5, indicates an increase in seat belt use to 88.5% from the 1985 value of 86.9%. An upward trend in seat belt usage on the highway.

3. Harbour Arterial Ramp to Water Street, T. Beckett: Data shown on Table 6 reveal a decrease in seat belt use to 77.1% from the 1985 value of 89.3%. The majority of highway drivers still appear to be serious about seat belt use.

4. Village Mall, H. Miller: The June 1986 survey, Table 7, indicates a decrease in seat belt use to 63.0% from the June 1985 of 65.6%. Male drivers are pulling this average down.

5. Hotel Newfoundland, D. Shea: The June 1986 survey, Table 8, indicates an increase in seat belt use to 69.2% from the 1985 value of 57.2%. An upward trend in seat belt usage in the city.

6. Avalon Mall, H. Miller: The June survey, Table 9, indicates an increase in seat belt use to 67.0% from the June 1985 value of 64.3%. It appears that city drivers are beginning to take seat belt use more serious.

7. Janeway Hospital, H. Miller: The June survey, Table 10, indicates an increase in seat belt use to 67.1% from the June 1985 value of 60.2%. An overall increase in city drivers seat belt usage.

8. Bay Roberts, E. Murray: The June survey, Table 11, in the rural community indicates a decrease in seat belt use to 65.8% from the July 1985 value of 67.2%. The majority of rural drivers still appear serious about seat belts.

9. Confederation Building Exit, T. Beckett: The June survey, Table 12, shows a seat belt wearing rate of 71.3%. Again, most city drivers are serious about seat belt usage.

10. Clarenville, W. Wiseman: The June survey, Table 13, shows a decrease in seat belt use to 55.3% from the June 1985 rate of 73.0%. Male drivers are pulling this average down.

11. Grand Falls, S. Gillingham & V. Young: The June survey, Table 14, indicates a decrease in seat belt use to 66.6% from the June 1985 value of 72.4%. Some drivers now appear to be neglecting the seat belt law.

STATISTICAL TABLES

June 13, 1986

Table 1
June 13, 1986

SEAT BELT SURVEY

AREA: Provincial Average

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 13
16-24	126	132	258	
25-44	668	443	1111	
45-64	295	104	399	
65+	58	9	67	
TOTAL	1147	688	1835	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 1
16-24	111	56	167	
25-44	370	138	508	
45-64	154	32	186	
65+	15	6	21	
TOTAL	650	232	882	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = .54%
16-24	53.1	70.2	60.7	
25-44	64.3	76.2	68.6	
45-64	65.7	76.4	68.2	
65+	79.4	60.0	76.1	
TOTAL	63.8	74.7	67.5	

Table 2
June 13, 1986

SEAT BELT SURVEY

AREA: Urban Average

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	98	105	203	
25-44	466	355	821	
45-64	253	88	341	
65+	52	9	61	
TOTAL	869	557	1426	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	94	53	147	
25-44	312	124	436	
45-64	141	29	170	
65+	15	6	21	
TOTAL	562	212	774	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	51.0	66.4	58.0	
25-44	59.8	74.1	65.3	
45-64	64.2	75.2	66.7	
65+	77.6	60.0	74.3	
TOTAL	60.7	72.4	64.8	

Table 3
June 13, 1986

SEAT BELT SURVEY

AREA: Highway Average

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 1
16-24	28	27	55	
25-44	202	88	290	
45-64	42	16	58	
65+	6	0	6	
TOTAL	278	131	409	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	17	3	20	
25-44	58	14	72	
45-64	13	3	16	
65+	-	-	-	
TOTAL	88	20	108	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = .19%
16-24	62.2	90.0	73.3	
25-44	77.6	86.2	80.1	
45-64	76.3	84.2	78.3	
65+	100.0	-	100.0	
TOTAL	75.9	86.7	79.1	

Table 4
June 13, 1986

SEAT BELT SURVEY

AREA: Intersection Foxtrap Access & TCH

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats - 1
16-24	3	5	8	
25-44	32	10	42	
45-64	6	-	6	
65+	-	-	-	
TOTAL	41	15	56	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats - 0
16-24	4	-	4	
25-44	14	2	16	
45-64	3	-	3	
65+	-	-	-	
TOTAL	21	2	23	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats - 1.2%
16-24	42.8	100.0	66.6	
25-44	69.5	83.3	72.4	
45-64	66.6	-	66.6	
65+	-	-	-	
TOTAL	66.1	88.2	70.8	

Table 5
June 13, 1986

SEAT BELT SURVEY

AREA: Roaches Line

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	9	8	17	
25-44	59	15	74	
45-64	17	3	20	
65+	5	-	5	
TOTAL	90	26	116	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	-	-	-	
25-44	4	3	7	
45-64	7	1	8	
65+	-	-	-	
TOTAL	11	4	15	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	100.0	100.0	100.0	
25-44	93.6	83.3	91.3	
45-64	70.8	75.0	71.4	
65+	100.0	-	100.0	
TOTAL	89.1	86.6	88.5	

Table 6
June 13, 1986

SEAT BELT SURVEY

AREA: Harbour Arterial

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	16	14	30	
25-44	111	63	174	
45-64	19	13	32	
65+	1	-	1	
TOTAL	147	90	237	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	13	3	16	
25-44	40	9	49	
45-64	3	2	5	
65+	-	-	-	
TOTAL	56	14	70	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	55.1	82.3	65.2	
25-44	73.5	87.5	78.0	
45-64	86.3	86.6	86.4	
65+	100.0	-	100.0	
TOTAL	72.4	86.5	77.1	

Table 7
June 13, 1986

SEAT BELT SURVEY

AREA: Village Mall

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 6
16-24	8	17	25	
25-44	25	25	50	
45-64	14	18	32	
65+	2	-	2	
TOTAL	49	60	109	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 1
16-24	15	5	20	
25-44	19	7	26	
45-64	10	4	14	
65+	2	2	4	
TOTAL	46	18	64	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 4.0%
16-24	34.7	77.2	55.5	
25-44	56.8	78.1	65.7	
45-64	58.3	81.8	69.5	
65+	50.0	0	33.3	
TOTAL	51.5	76.9	63.0	

Table 8
June 13, 1986

SEAT BELT SURVEY

AREA: Hotel Newfoundland

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	3	1	4	
25-44	44	45	89	
45-64	14	1	15	
65+	-	-	-	
TOTAL	61	47	108	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	2	-	2	
25-44	30	9	39	
45-64	6	1	7	
65+	-	-	-	
TOTAL	38	10	48	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	60.0	100.0	66.6	
25-44	59.4	83.3	69.5	
45-64	70.0	50.0	68.1	
65+	0	0	0	
TOTAL	61.6	82.4	69.2	

Table 9
June 13, 1986

SEAT BELT SURVEY

AREA: Avalon Mall

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 1
16-24	12	30	42	
25-44	34	20	54	
45-64	25	4	29	
65+	5	2	7	
TOTAL	76	56	132	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	8	13	21	
25-44	21	7	28	
45-64	7	5	12	
65+	4	-	4	
TOTAL	40	25	65	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = .50%
16-24	60.0	69.7	66.6	
25-44	61.8	74.0	65.8	
45-64	78.1	44.4	70.7	
65+	55.5	100.0	63.6	
TOTAL	65.5	69.1	67.0	

Table 10
June 13, 1986

SEAT BELT SURVEY

AREA: Janeway Hospital

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 5
16-24	14	14	28	
25-44	48	25	73	
45-64	19	5	24	
65+	5	1	6	
TOTAL	86	45	131	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	10	9	19	
25-44	22	10	32	
45-64	9	2	11	
65+	1	1	2	
TOTAL	42	22	64	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 2.6%
16-24	58.3	60.8	59.5	
25-44	68.5	71.4	69.5	
45-64	67.8	71.4	68.5	
65+	83.3	50.0	75.0	
TOTAL	67.1	67.1	67.1	

Table 11
June 13, 1986

SEAT BELT SURVEY

AREA: Bay Roberts

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	15	7	22	
25-44	85	46	131	
45-64	37	8	45	
65+	21	3	24	
TOTAL	158	64	222	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	10	6	16	
25-44	47	26	73	
45-64	19	3	22	
65+	4	-	4	
TOTAL	80	35	115	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	60.0	53.8	57.8	
25-44	64.3	63.8	64.2	
45-64	66.0	72.7	67.1	
65+	84.0	100.0	85.7	
TOTAL	66.3	64.6	65.8	

Table 12
June 13, 1986

SEAT BELT SURVEY

AREA: Confederation Building Exit

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	22	16	38	
25-44	60	62	122	
45-64	42	17	59	
65+	3	2	5	
TOTAL	127	97	224	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	14	4	18	
25-44	34	18	52	
45-64	16	3	19	
65+	1	-	1	
TOTAL	65	25	90	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	61.1	80.0	67.8	
25-44	63.8	77.5	70.1	
45-64	72.4	85.0	75.6	
65+	75.0	100.0	83.3	
TOTAL	66.1	79.5	71.3	

Table 13
June 13, 1986

SEAT BELT SURVEY

AREA: Clarenville

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	19	10	29	
25-44	85	72	157	
45-64	41	17	58	
65+	9	1	10	
TOTAL	154	100	254	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	25	12	37	
25-44	79	33	112	
45-64	48	7	55	
65+	-	1	1	
TOTAL	152	53	205	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	43.1	45.4	43.9	
25-44	51.8	68.5	58.3	
45-64	46.0	70.8	51.3	
65+	100.0	50.0	90.9	
TOTAL	50.3	65.3	55.3	

Table 14
June 13, 1986

SEAT BELT SURVEY

AREA: Grand Falls

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	5	10	15	
25-44	85	60	145	
45-64	61	18	79	
65+	7	-	7	
TOTAL	158	88	246	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	10	4	14	
25-44	60	14	74	
45-64	26	4	30	
65+	3	2	5	
TOTAL	99	24	123	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	33.3	71.4	51.7	
25-44	58.6	81.0	66.2	
45-64	70.1	81.8	72.4	
65+	70.0	-	58.3	
TOTAL	61.4	78.5	66.6	

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